

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	320	(239/431).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/13 08:37
L2	999	(239/424).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/13 08:46
L4	887	(239/533.2).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/13 09:34
S1	135064	fuel near inject\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/27 10:44
S2	1233	S1 and shroud\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/09 11:21
S3	910	S1 and guard\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/27 10:46
S4	781	(239/288-288.5).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/10/27 10:47
S5	2577	(239/589-595).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/10/27 10:47
S7	3334	S4 S5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/27 10:48

## EAST Search History

S8	121	S1 and S7	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/27 10:49
S9	2123	S2 S3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/27 13:09
S10	5454	S7 S9	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/27 10:49
S11	2241	S1 and S10	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/27 10:49
S12	1822	S1 and S10	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/27 10:49
S13	5	("4925110"   "5400969"   "5707012"   "5915352"   "6145762").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/27 10:52
S14	16	("3013732"   "3474970"   "3638865"   "3866413"   "4168803"   "4584834"   "5115634"   "5224333"   "5373693"   "5491972"   "5737921"   "5761907"   "6272840"   "6547163").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/27 10:53
S15	13	("3866413"   "3937011"   "5224333"   "5256352"   "5477685"   "5505045"   "5603211"   "5613363"   "5737921"   "5816050"   "5960724"   "5987889"   "6189314").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/27 10:54
S16	12	("3267676"   "3564847"   "3713588"   "3989444"   "4023351"   "4260367"   "4598553"   "4600151"   "5101533"   "Re33464").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/27 11:02
S17	4	("5477685").URPN.	USPAT	OR	ON	2005/10/27 11:04

## EAST Search History

S18	30	("2607193"   "3866413"   "3937011"   "4389848"   "4443182"   "4845940"   "4854127"   "4967551"   "5224333"   "5256352"   "5267442"   "5359847"   "5402633"   "5423173"   "5477685"   "5505045"   "5603211"   "5613363"   "5701732"   "5737921"   "5816050"   "5822992"   "5960724"   "5987889"   "6101814"   "6189314"   "6272840"   "6378310"   "6415610").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/27 11:05
S19	18	("1322999"   "2617255"   "2884759"   "3352106"   "3485043"   "3490230"   "3702058"   "3736747"   "3831854"   "3859786"   "4174608"   "4262487").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/27 11:07
S20	8	("2447482"   "2504106"   "2738993"   "3702058"   "4044186").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/27 11:08
S21	11	("2447482").URPN.	USPAT	OR	ON	2005/10/27 11:10
S22	29	("1791011"   "2269333"   "2360548"   "3118489"   "3147795"   "3180395"   "3227202"   "3576384"   "3608822"   "3663153"   "3672812"   "3676048"   "3700376"   "3775039"   "3782884"   "4201538"   "4225305"   "4230445"   "4230449"   "4348170").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/27 11:14
S23	11	("2242797"   "2606604"   "3570242"   "3648457"   "3749548"   "4014639"   "4018554"   "4082495").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/27 11:15
S24	7	("1193701"   "2513645"   "3650477"   "3694135"   "3733169").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/27 11:15
S25	3	("3406002"   "3694135").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/27 11:16
S26	14	("3733169").URPN.	USPAT	OR	ON	2005/10/27 11:16

## EAST Search History

S27	40	("1953483"   "2090566"   "2090567"   "2109027"   "2502664"   "2665748"   "2790490"   "3003548"   "3211207"   "3360929"   "3404844"   "3406002"   "3409231"   "3490858"   "3493180"   "3529917"   "3574508"   "3632286"   "3694135"   "3733169"   "3869243"   "3881863"   "3923251"   "4012189").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/27 11:17
S28	5	("4171199").URPN.	USPAT	OR	ON	2005/10/27 11:19
S29	14	("3733169").URPN.	USPAT	OR	ON	2005/10/27 11:20
S30	2	("4225305").URPN.	USPAT	OR	ON	2005/10/27 11:21
S31	4	("5477685").URPN.	USPAT	OR	ON	2005/10/27 11:24
S32	9	("6272840").URPN.	USPAT	OR	ON	2005/10/27 11:25
S33	9	("3254846"   "3283502"   "3474970"   "3722218"   "3866413"   "3980233").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/27 11:26
S34	9	("4168803").URPN.	USPAT	OR	ON	2005/10/27 11:27
S35	738	(60/737).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/09 10:48
S36	129	(60/738).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/10/27 11:45
S37	183	(60/751).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/10/27 13:06
S38	567	(60/752).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/10/27 11:32
S39	3	("2720753").URPN.	USPAT	OR	ON	2005/10/27 11:47
S40	135064	fuel near inject\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/27 13:06

## EAST Search History

S41	781	(239/288-288.5).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/10/27 13:06
S42	9	S40 and S41	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/27 13:07
S43	1	("1856089").URPN.	USPAT	OR	ON	2005/10/27 13:08
S44	910	S40 and guard\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/27 13:08
S45	1233	S40 and shroud\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/27 13:09
S46	2123	S45 S44	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/27 13:09
S47	1043	S46 and (internal near combustion)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/27 13:09
S48	14	("1413134"   "1980132"   "2050368"   "3383049"   "5108037"   "5174505"   "5323966"   "5360166"   "5402937"   "5553790").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/27 13:12
S49	11	("4828184"   "4907748"   "4934653"   "5016819"   "5035358"   "5244154"   "5261639"   "5323966"   "5421952"   "5423489"   "5449114").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/27 13:13
S50	8	("3680794"   "4264040"   "4519370"   "4545354"   "4676216"   "4957241"   "5193743"   "5197672").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/27 13:13
S51	20	("5323966").URPN.	USPAT	OR	ON	2005/10/27 13:14

## EAST Search History

S52	10	("4982716"   "5035358"   "5218943"   "5224458"   "5323966"   "5360166"   "5520157"   "5772122"   "5904299"   "5931391").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/27 13:16
S53	160	(239/408).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/09 11:29
S54	3	("1173745").URPN.	USPAT	OR	ON	2005/10/27 13:18
S55	1	("1317363").URPN.	USPAT	OR	ON	2005/10/27 13:19
S56	4	("4982716"   "5193743"   "5323966"   "5397061").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/27 13:24
S57	2	("5626292").URPN.	USPAT	OR	ON	2005/10/27 13:24
S58	347	(239/533.1).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/10/27 13:26
S59	22	("4243003"   "4289104"   "4347822"   "4434766"   "4527744"   "4532906"   "4585174"   "4650122"   "4699110"   "5054456"   "5150691"   "5156133"   "5167211"   "5197672"   "5207383"   "5211682"   "5215063"   "5224458"   "5241938"   "5323966"   "5329905"   "5340032").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/27 13:30
S60	20	("5323966").URPN.	USPAT	OR	ON	2005/10/27 13:32
S61	21	("4519370"   "4955347"   "4982716"   "5027778"   "5105792"   "5150691"   "5203308"   "5220900"   "5224458"   "5269281"   "5323966").PN. OR ("5520157"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/09 08:56
S62	16	("3267676"   "3564847"   "3713588"   "3989444"   "4023351"   "4260367"   "4598553"   "4600151"   "5101533"   "Re33464").PN. OR ("5477685").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/09 08:57

## EAST Search History

S63	388	(60/740).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/09 09:27
S64	12	("3713588"   "3991558").PN. OR ("5321950").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/09 10:36
S65	37	("3589127"   "3834159"   "3853273"   "3899884"   "3946552"   "4180974"   "4198815"   "4843825"   "4870818"   "4934145"   "4974416"   "4999996").PN. OR ("5117637").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/09 10:38
S66	133	(417/196).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/09 10:48
S67	33	("2223242"   "2501276"   "2759661"   "3823872"   "3912469"   "3972196"   "4141701"   "4184806"   "4272499"   "4358249"   "4379679"   "4586873"   "4835961"   "4867918"   "4898517"   "4921886"   "4931225"   "5061406"   "5087175"   "5309736"   "5435127"   "5440875"   "5509349"   "5622655"   "5820353"   "5857838"   "5884472"   "6082635"   "6082713"   "6155796").PN. OR ("6877960").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/09 10:49
S68	11	("2000762"   "3047208"   "3370784"   "3694107").PN. OR ("3885891").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/09 10:52
S69	698	(415/211.2).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/09 10:59
S70	138510	fuel near inject\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/09 11:16



## EAST Search History

S71	2878	S70 and fair\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/09 11:17
S72	1279	S70 and shroud\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/09 11:17
S73	946	S70 and guard\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/09 11:17
S74	4920	S72 S73 S71	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/09 11:17
S75	0	S74 and ( S64 with S65 with diameter)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/09 11:18
S76	0	S74 and ( S64 near S65 with diameter)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/09 11:18
S77	0	S74 and ( S64 near S65 near diameter)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/09 11:19
S78	0	S74 and ( S64 with S65 near2 diameter)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/09 11:20
S79	0	S74 and ( S64 with S65 near3 diameter)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/09 11:20



## EAST Search History

S80	2533	S70 and (air with assist\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/09 11:22
S81	4972	S74 and17	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/09 11:22
S82	309	S74 and S80	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/09 11:26
S83	477	(239/406).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/09 11:34
S84	477	(239/406).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/09 11:55
S85	294	(239/417.3).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/09 11:55
S86	417	(239/423).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/09 11:30
S87	416	(239/405).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/09 11:31
S88	22	("3254846"   "3703259"   "3912164"   "3972182").PN. OR ("4842197").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/09 11:32
S89	201	(239/416.5).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/09 12:09

## EAST Search History

S90.	222	(239/416.4).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/09 11:34
S91	417	(239/423).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/09 15:06
S93	320	(239/431).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/13 08:37
S94	511	(123/531).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/09 15:10
S95	1143	(239/585.1).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/09 15:10